Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) In vivo diagnostic or therapy micro-device comprising:

- a substantially longitudinal body having a quadrilateral-shaped section, provided with at least one main canal in the direction of its length, one input of which is located at a first end of the body, wherein the first end face is a proximal face, and

- a plurality of secondary canals connected to at least one main canal and opening up sideways by lateral outputs,

wherein the in vivo diagnostic or therapy micro-device is implantable.

2. (Original) Micro-device according to claim 1, further comprising:

- one or more electrodes arranged on an outside portion of the body,

- one or more electrical connection pins located at the first end of the body close to the input to the said canal.

3. (Previously presented) Micro-device according to claim 2, the electrical connection pins comprising micro-cavities made in the body of the micro-device, the cavities having a height and width between 10 μm and 50 μm.

4. (Original) Micro-device according to claim 1, comprising at least two parallel main canals.

5. (Currently amended) Micro-device according to claim 1, at least one of the main canals opening up to a second end of the body, ~~called the distal end~~wherein the second end is a distal face, and the input ~~inlet~~ into the at least one main canal being funnel-shaped.

6. (Original) Micro-device according to claim 1, the body having two parallel opposite surface areas between the first and the second ends, and comprising a second bevel-shaped end.

7. (Currently amended) Micro-device according to claim 1, the body having a square or rectangular section in which each side has a maximum dimension of less than 900 μm, ~~,~~and the longitudinal extension of the body being between 0.5 cm and 3 cm.

8. (Original) Micro-device according to claim 1, the body of the device being made of silicon.

9. (Original) Micro-device according to claim 1, further comprising a wave guide.

10. (Currently amended) In vivo diagnostic or therapy micro-device comprising:

- a substantially longitudinal body with a quadrilateral-shaped section, provided with at least one main canal in the direction of its length, one input of which is located at a first end face of the body, wherein the first end face is a proximal face;
- one or more electrodes located on an outside portion of the body~~,~~; and
- one or more electrical connection pins located at the first end face of the body, close to the input to said canal,

wherein the in vivo diagnostic or therapy micro-device is implantable.

11. (Previously presented) Micro-device according to claim 10, the electrical connection pins comprising micro-cavities made in the body of the micro-device, the micro-cavities having a height and width between 10 μm and 50 μm.

12. (Original) Micro-device according to claim 10, comprising at least two parallel main canals.

13. (Currently amended) Micro-device according to claim 10, at least one of the main canals opening up to a second end face of the body, ~~called~~ wherein the second end face is a ~~the~~ distal end face, and the ~~inlet~~ input into the at least one main canal being funnel-shaped.

14. (Original) Micro-device according to claim 10, the body having two parallel opposite surface areas between the first and the second ends, and comprising a second bevel-shaped end.

15. (Currently amended) Micro-device according to claim 10, the body having a square or rectangular section in which each side has a maximum dimension of less than 900 μm, ~~,~~ and the longitudinal extension of the body being between 0.5 cm and 3 cm.

16. (Original) Micro-device according to claim 10, the body of the device being made of silicon.

17. (Original) Micro-device according to claim 10, further comprising a wave guide.

Claims 18-24. (Canceled)

25. (Currently amended) Micro-device according to claim 7 wherein the maximum dimension ~~if~~ is less than 300 μm.

26. (Currently amended) Micro-device according to claim 15 wherein the maximum dimension ~~if~~ is less than 300 μm.